

**To:** Card, Joan[Card.Joan@epa.gov]  
**From:** Bahrman, Sarah  
**Sent:** Tue 8/11/2015 1:29:28 PM  
**Subject:** FW: Additional Gold King Mine statement/update 8/10

Hi Joan – Walt is also requesting data asap. I plan to call him and Pat later this morning to discuss strategy for comparison levels once I talk to Rich Graham again this morning.

Sarah E. Bahrman | Acting Director, Water Program | U.S. Environmental Protection Agency - Region 8

(p) 303.312.6243 | (c) 303.903.8515 | (f) 877.876.9101

**From:** Walter Baker [mailto:wbaker@utah.gov]  
**Sent:** Tuesday, August 11, 2015 7:25 AM  
**To:** Bahrman, Sarah  
**Cc:** Donald Hoffheins; Erica Gaddis; danielf2368@yahoo.com; nnepawq@frontiernet.net; Macauley; llamb@utah.gov; Kim Shelley; Doug Wong; David Ariotti; Craig Dietrich; Ken Bousfield; Kim Dyches; Rachael Cassady; rmeyer@sanjuancounty.org; Sam LeFevre; Whitlock Jenna; Porter Lance; Crandall Megan; christiana\_admiral@nps.gov; Benally Rebecca M.; Benally Rebecca M.; Eldredge Rick; William Stoner; Ransel Beth  
**Subject:** Re: Additional Gold King Mine statement/update 8/10

Sarah,

Our biggest concern is that Utah has seen no total and dissolved metals results from EPA since last Thursday's monitoring nor any results from NM and CO. We anticipate having our initial metals results back some time today -- a 2-day turnaround from when we took the samples. It's frustrating to me that we are now 4 days since EPA's Friday's sampling (and I presume the sampling by CO and NM) yet we have seen no results from them. It's surprising to me that Utah, which is at the "end of row" regarding this event, may actually be the first to have informative metals results.

When can we expect sample results from our partners?

Walt

Sent from my iPad

On Aug 11, 2015, at 8:11 AM, Bahrman, Sarah <[Bahrman.Sarah@epa.gov](mailto:Bahrman.Sarah@epa.gov)> wrote:

Forwarding the latest update to everyone on the UT email list.

Thanks

Sarah E. Bahrman | Acting Director, Water Program | U.S. Environmental Protection Agency - Region 8

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**From:** Cristiano, Gina

**Sent:** Tuesday, August 11, 2015 3:15 AM

**To:** Megan Crandall; Donald Hoffheins; [larry.wolk@state.co.us](mailto:larry.wolk@state.co.us); Urdiales, Aaron; Ackerman, Joyce; Allen, HarryL; [Allison.Majure@state.nm.us](mailto:Allison.Majure@state.nm.us); Bahrman, Sarah; Bohan, Suzanne; [bsmartinez@fs.fed.us](mailto:bsmartinez@fs.fed.us); Buhl, Rick; Butch Knowlton-LaPlata Co EM; Card, Joan; Chavez, Luke; Copeland, Michael; Crossland, Ronnie; [dariotti@utah.gov](mailto:dariotti@utah.gov); [david.kreutzer@state.co.us](mailto:david.kreutzer@state.co.us); [david.kurz@state.co.us](mailto:david.kurz@state.co.us); Dhieux, Joyel; [dietch@utah.gov](mailto:dietch@utah.gov); [director@sjcph.org](mailto:director@sjcph.org); [doug.jamison@state.co.us](mailto:doug.jamison@state.co.us); [dspangler@utah.gov](mailto:dspangler@utah.gov); [dwong@utah.gov](mailto:dwong@utah.gov); [egaddis@utah.gov](mailto:egaddis@utah.gov); Eoc, Epahq; Faulk, Libby; Foster, Althea; Garcia, David; [gary.baughman@state.co.us](mailto:gary.baughman@state.co.us); Gleason, Michael; [greg.nauble@state.co.us](mailto:greg.nauble@state.co.us); Griswold, Hays; Hayes, Mark; Hestmark, Martin; [jason.king@state.co.us](mailto:jason.king@state.co.us); Joshua Allan - BIA; Kahn, Lisa; [karin.mcgowan@state.co.us](mailto:karin.mcgowan@state.co.us); [KBousfield@utah.gov](mailto:KBousfield@utah.gov); Kortuem, Patrice; [kshelley@utah.gov](mailto:kshelley@utah.gov); Land, Kelcey; [Laura.Rendon@state.nm.us](mailto:Laura.Rendon@state.nm.us); Liane Jollon - San Juan Basin HD; [llamb@utah.gov](mailto:llamb@utah.gov); Lloyd, Lisa; Logan, Paul; Madigan, Andrea; [martha.rudolph@state.co.us](mailto:martha.rudolph@state.co.us); McComb, Martin; McGrath, Shaun; [meghan.trubee@state.co.us](mailto:meghan.trubee@state.co.us); [mjblanchard@fs.fed.us](mailto:mjblanchard@fs.fed.us); Mohr, Mindy; [monica.sheets@state.co.us](mailto:monica.sheets@state.co.us); Myers, Craig; Mylott, Richard; Nattis, Randy; O'Connor, Darcy; Ostrander, David; [patrick.j.pfaltzgraff@state.co.us](mailto:patrick.j.pfaltzgraff@state.co.us); [Patrick.Longmire@state.nm.us](mailto:Patrick.Longmire@state.nm.us); R8 Documentation Unit Leader; Restivo, Angela; Russo, Rebecca; Saldenha, Jasmine; Sandoval, Joni; Sid Caesar - BIA; Sierra, Eddie; Sisk, Richard; Smith, Paula; Stavnes, Sandra; Stevenson, Peter; Thomas, Deb; [tojohns@southernute-nsn.gov](mailto:tojohns@southernute-nsn.gov); [tyson.ingles@state.co.us](mailto:tyson.ingles@state.co.us); Videtich, Callie; Ward, W. Robert; [warren.smith@state.co.us](mailto:warren.smith@state.co.us); Way, Steven; [wbaker@utah.gov](mailto:wbaker@utah.gov); Webster, Susan;

Werner, Phillip; [wr.roc@noaa.gov](mailto:wr.roc@noaa.gov); Hardegen, Steven; Myers, Richard; Jackson jr, Jesse; Megan Crandall; Donald Hoffheins; [larry.wolk@state.co.us](mailto:larry.wolk@state.co.us); Urdiales, Aaron

**Cc:** Freed, Chris

**Subject:** Additional Gold King Mine statement/update 8/10

All,

The following information is also being released:

EPA has compared the surface water quality data collected on August 5 and 6 to screening levels for human health developed by EPA. The screening levels for human incidental ingestion during recreation are based on an exposure duration totaling 60 days, 8 hours/day. The State of Colorado has developed screening levels for agricultural exposure. The screening levels for agricultural exposure are based on an exposure duration totaling 30 days.

Based on the data we have seen so far, EPA and ATSDR do not anticipate adverse health effects from exposure to the metals detected in the river water samples from skin contact or incidental (unintentional) ingestion. Similarly, the risk of adverse effects to livestock that may have been exposed to metals detected in river water samples from ingestion or skin contact is low. It is advisable to avoid areas with orange discoloration in the river water.

Although the pH levels between Cement Creek and Durango have returned to baseline levels washing with soap and water after contact with the river water is a sound public health practice to minimize exposure to the metals and bacteria that may be present in any untreated river water.

**From:** Cristiano, Gina

**Sent:** Monday, August 10, 2015 7:43 PM

**To:** Megan Crandall; Donald Hoffheins; [larry.wolk@state.co.us](mailto:larry.wolk@state.co.us); Urdiales, Aaron; Ackerman, Joyce; Allen, HarryL; [Allison.Majure@state.nm.us](mailto:Allison.Majure@state.nm.us); Bahrman, Sarah; Bohan, Suzanne; [bsmartinez@fs.fed.us](mailto:bsmartinez@fs.fed.us); Buhl, Rick; Butch Knowlton-LaPlata Co EM; Card, Joan; Chavez, Luke; Copeland, Michael; Cristiano, Gina; Crossland, Ronnie; [dariotti@utah.gov](mailto:dariotti@utah.gov); [david.kreutzer@state.co.us](mailto:david.kreutzer@state.co.us); [david.kurz@state.co.us](mailto:david.kurz@state.co.us); Dhieux, Joyel; [dietrich@utah.gov](mailto:dietrich@utah.gov);

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Werner, Phillip  
**Cc:** Freed, Chris  
**Subject:** Gold King Mine statement/update 8/10

The Gold King Mine Release statement/update for 8/10 is attached.

Thank you, Gina

Gina Cristiano

Emergency Response & Planning Coordinator

EPA Region 8

303-312-6688